**Climate Change Research Notes**

**Emissions (Greenhouse Gases and CFCs)**

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**Greenhouse Effect**

Emissions cause global warming by putting too much carbon dioxide into the atmosphere. An example of something that does this is cars that burn fossil fuels. As the car burns gasoline, it creates a by-product, which is carbon dioxide that is then released into the atmosphere. This causes more greenhouse gases, which trap the sun’s rays inside the earth’s atmosphere and in turn, heat up the earth. The greenhouse effect causes many issues like rising sea levels due to melting glaciers and more forest fires.

**Emissions Can Come From:**

* Cars
* Factories
* Non-renewable resources (fossil fuels)
* Power plants
* Animals

**Types of Greenhouse Gases:**

* Carbon dioxide
* Methane
* Water vapor
* Ozone
* Nitrous Oxide

**CFCs**

Is a compound of carbon, hydrogen, chlorine and fluorine, which is used in refrigerators, air conditioners and aerosol containers. This compound depleted the ozone layer in the atmosphere and led to more ultraviolet radiation getting to the earth’s surface.

**What We and The Government Can Do To Fix Emissions:**

* People can fix emissions by using cars that do not burn fossil fuels
* Use alternate methods of transportation like public transit and bikes
* The government should reward people who drive electric cars by giving them a tax rebate and should tax people who don’t
* Car manufactures should be forced to include an electric car option in order to sell their product. This will reduce the number of cars on the road that burn fossil fuels.

**Bibliography**

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